



Standards *Actions*

Projects Initiated

The following DOE technical standards projects were recently initiated. If you are interested in participating in the development of these standards, please contact the persons listed below.

- *Handbook for the Department of Energy Laboratory Accreditation Program for Radiobioassay*, Project No. SAFT-0049; Robert Loesch, EH-52; 301-903-4443, Email, loesch@viper.eh.doe.gov.
- *Guide to Good Practices for Training and Qualification of Instructors*, Project No. 6910-0051; Ken L Maier, EH-31; 208-526-9178, FAX 208-526-9650, Email, klm4@inel.gov.
- *Guide to Good Practices for Training and Qualification of Chemical Operators*, Project No. 6910-0052; Ken L Maier, EH-31; 208-526-9178, FAX 208-526-9650, Email, klm4@inel.gov.
- *Guide to Good Practices for Training and Qualification of Maintenance Personnel*, Project No. 6910-0053; Ken L Maier, EH-31; 208-526-9178, FAX 208-526-9650, Email, klm4@inel.gov.

DOE Technical Standards Recently Sent for Coordination

The appropriate Technical Standards Managers (TSM) will provide selected reviewers with copies for comment. If you wish to comment on a particular document, please notify your TSM. DOE documents sent for coordination during the past month are given below.

- *EM Facility Hazard Categorization*, SAFT-0029, (Irwin Spickler, EM-23, 301-903-1961); comments due February 16, 1996.

Documents Recently Published

The Technical Standards Program is sponsoring a project at OSTI to place *all* DOE technical standards (i.e., standards and handbooks) on the Internet. To date, 60

DOE technical standards have been placed on the Internet at the following address:

<http://apollo.osti.gov/html/techstds/techstds.html>

The following DOE technical standards have recently been placed on the Internet:

- DOE-STD-1073-93, Part 1, *Guide for Operational Configuration Management Programs, Including the Adjunct Programs of Design Reconstitution and Material Condition and Aging Management*, November 1993.
- DOE-STD-3009-94, *Preparation Guide for U.S. Department of Energy Nonreactor Nuclear Facility Safety Analysis Reports*, July 1994.

Technical Standards Program Document Status as of 1/31/96

In Conversion	In Preparation	Out for Comment	Published in Past 30 Days
23	57	21	0

Total in process = 78

- DOE-HDBK-1011/1-92, *Fundamentals Handbook, Electrical Science, Volume 1*, June 1992.
- DOE-HDBK-1011/4-92, *Fundamentals Handbook, Electrical Science, Volume 4*, June 1992.
- DOE-HDBK-1084-95, *Primer on Lead-Acid Storage Batteries*, September 1995.

Non-Government Standards

American National Standards Institute

The American National Standards Institute (ANSI) publishes coordination activities of non-Government standards (NGS) biweekly in *ANSI Standards Action*. Please note that distribution of *ANSI Standards Action* is normally made only to individual members of ANSI or in group mailings to site members of ANSI. For information on site membership, ask your local ANSI contact. For information on individual or group membership, call Bethany Marks at 212-642-4948. For further information on distribution policies of ANSI publications, call the ANSI distribution manager at 212-642-4952.

Copies of *ANSI Standards Action* and ANSI-published documents may be obtained from ANSI, 11 West 42nd Street, New York, NY 10036 (212-642-4900, FAX 212-302-1286). Comments on listed draft standards may

be submitted by contacting the standards developing organization for information.

The following listings are extracted from *ANSI Standards Action* and are representative of NGS development activities that may be relevant to DOE operations. Refer to *ANSI Standards Action* for a complete listing of changes and new publications, standards developing organizations, and additional information about submitting comments.

The following American National Standards are currently in coordination:

- API RP556, *Fired Heaters and Steam Generators* (new standard); comments due March 5, 1996.
- ASME OMa Code-1995, Addenda to ASME OM Code-1995, *Code for Operation and Maintenance of Nuclear Power Plants*, (supplement to ANSI/ASME OM Code-1995); comments due March 19, 1996.
- ASTM D396, *Specification for Fuel Oils* (new standard); comments due March 19, 1996.
- ASTM E584, *Guide for Developing the (ASTM) Voluntary Consensus Standards Required to Help Implement the National Energy Plan* (new standard); comments due March 5, 1996.
- ASTM F1358, *Test Methods for the Effects of Flame Impingement on Materials Used in Protective Clothing Not Designated Primarily for Flame Resistance* (new standard); comments due March 19, 1996.
- EIA SP-2401 (if approved to be published as ANSI/EIA 364-75), *Lightning Strike Test Procedure for Electrical Connectors* (new standard); comments due February 20, 1996.
- EIA SP-3634 (if approved, to be published as ANSI/EIA 670), *Quality System Assessment* (new standard); comments due February 20, 1996.
- ISA dS82.04, *Safety Requirements for Electrical Equipment for Measurement, Control, and Laboratory Use - Part 2-032: Particular Requirements for Hand-Held Current Clamps for Electrical Measurement and Test* (new standard); comments due March 5, 1996.
- ISO/ASTM/ASQC/NSF 14001, *Environmental Management Systems - Specification with Guidance for Use* (new standard); comments due February 20, 1996.
- ISO/ASTM/ASQC/NSF 14011, *Guidelines for Environmental Auditing - Audit Procedures - Auditing of Environmental Management Systems* (new standard); comments due February 20, 1996.
- ISO/ASTM/ASQC/NSF 14012, *Guidelines for Environmental Auditing - Qualification Criteria for Environmental Auditors* (new standard); comments due February 20, 1996.

- NFPA 1451-1997, *Fire Service Vehicle Operations Training Program* (new standard); comments due March 19, 1996.
- UL 14B, *Standard for Safety for Sliding Hardware for Standard, Horizontally Mounted Tin-Clad Fire Doors* (new standard); comments due March 5, 1996.
- UL 14C, *Standard for Safety for Swinging Hardware for Standard Tin-Clad Fire Doors Mounted Singly and in Pairs* (new standard); comments due March 5, 1996.
- UL 305, *Standard for Safety for Panic Hardware* (new standard); comments due February 20, 1996.
- UL 1897, *Standard for Safety for Uplift Test For Roof Covering Systems* (new standard); comments due March 19, 1996.
- UL 2006, *Standard for Safety for Halon 1211 Recovery/Recharge Equipment*, (new standard); comments due March 19, 1996.

The following newly published American National Standards are available from ANSI:

- ANSI/AISC N690-1994, *Design, Fabrication, and Erection of Steel Safety-Related Structures for Nuclear Facilities*.
- ANSI/ASME B31.3c-1995, *Chemical Plant and Petroleum Refinery Piping*.
- ANSI/ASME SPPE 1c-1995, *Quality Assurance and Certification of Safety and Pollution Prevention Equipment Used in Off-shore Oil and Gas Operations*.
- ANSI/ISA S67.04-Part 1-1994, *Setpoints for Nuclear Safety-Related Instrumentation*.
- ANSI/ISA S77.70-1995, *Fossil Fuel Power Plant Instrument Piping Installation*.
- ANSI/ISA S77.44-1995, *Fossil Fuel Plant Steam Temperature Control System-Drum Type*.
- ANSI/NB 23-1995, *National Board Inspection Code*.
- ANSI/NFPA 80-1995, *Fire Doors and Fire Windows*.
- ANSI/NFPA 780-1995, *Installation of Lightning Protection Systems*.
- ANSI/UL 910-1994, *Test for Flame-Propagation and Smoke-Density Values for Electrical and Optical-Fiber Cables Used in Spaces Transporting Environmental Air*.

The following international standards are currently in coordination (due dates follow each entry):

- ISO/DIS 10440-1, *Petroleum and natural gas industries - Rotary type positive displacement compressors - Part 1: Process compressors (Joint TC 118-TC 67/SC 6)* - February 23, 1996.
- ISO/DIS 11661, *Mobile cranes - Rated capacity chart presentation* - February 29, 1996.

- prEN 54-3, *Fire detection and fire alarm systems - Part 3: Audible fire alarm devices* - April 3, 1996.
- prEN ISO 10007, *Quality management - Guidelines for configuration management (ISO 10007: 1995)* - April 14, 1996.
- prEN ISO 10211-2, *Thermal bridges in building construction - Heat flows and surface temperatures - Part 2: Calculation of linear thermal bridges (ISO/DIS 10211-2: 1995)* - February 18, 1996.
- prEN ISO 10440-1, *Petroleum and natural gas industries - Rotary type positive displacement compressors - Part 1: Process compressors (ISO/DIS 10440-1: 1995)* - March 23, 1996.
- prEN 12190, *Products and systems for the protection and repair of concrete structures - Test methods - Determination of compressive strength* - March 19, 1996.
- prEN 12205, *Transportable gas cylinders - Non refillable metallic gas cylinders* - March 19, 1996.
- prEN 12217-2, *Operating forces - Requirements and classification - Part 2: Doors* - April 9, 1996.
- prEN 12237, *Ventilation for buildings - Ductwork - Circular sheet metal air ducts - Strength and leakage - Requirements and testing* - April 23, 1996.
- prEN 50200, *Method of test for resistance to fire of unprotected small cables for use in emergency circuits* - March 13, 1996.

The following newly published international standards are available from ANSI:

- IEC 68-2-60: 1995, *Environmental testing - Part 2: Tests - Test Ke: Flowing mixed gas corrosion test.*
- IEC 896-2: 1995, *Stationary lead-acid batteries - General requirements and methods of test - Part 2: Valve regulated types.*
- IEC 1771: 1995, *Nuclear power plants - Main control room - Verification and validation of design.*
- ISO 13338: 1995, *Determination of tissue corrosiveness of a gas or gas mixture.*

American Society for Testing and Materials

Standards activities of the American Society for Testing and Materials (ASTM) are published monthly in *ASTM Standardization News*. Orders for subscriptions or single copies of *ASTM Standardization News* may be submitted to ASTM, Subscription Dept.-SN, 100 Barr Harbor Drive, West Conshohocken, Pennsylvania 19428-2959. For information regarding ASTM membership, contact the Membership Services Department at 610-832-9692. ASTM publications may be ordered from the ASTM Customer Services Department at 610-832-9585 (FAX 610-832-9555). Comments on listed draft standards may be submitted by contacting the ASTM Standards Coordination Department at the above address. Questions may be

addressed to the Technical Committee Operations Division at 610-832-9743 (FAX 610-832-9666). ASTM is developing a World Wide Web home page. The current version can be visited at <http://www.astm.org>. The following listings are extracted from *ASTM Standardization News* and are representative of NGS development activities that may be relevant to DOE operations.

The following ASTM standards are currently in coordination: (the due date for all items is February 10, 1996).

- F 1525, *Guide for the Use of Membrane Technology in Mitigating Hazardous Chemical Spills* (new standard).
- New Standard, *Specification for Cylindrical Sealant Backing for Use with Cold Liquid Applied Sealants* (Ref. Z5116Z).
- New Standard, *Guide for Composing Walkway Surface Evaluation and Incident Report Forms for Slips, Stumbles, Trips and Falls* (Ref. Z5015Z).
- New Standard, *Guide for Consideration of Bioremediation as an Oil Spill Response Method on Land* (Ref. Z5187Z).
- New Standard, *Guide for Surveys to Document and Assess the Oiling Conditions on Shorelines* (Ref. Z5212Z).
- New Standard, *Guide for the Selection of Skimmers for Oil Spill Response* (Ref. Z5686Z).

The following newly published standards are available from ASTM:

- C 1302-95, *Test Method for Selection and Use of Keywords for Thermal Insulation Test Method and Standards* (new standard).
- C 1305-95, *Test Method for Crack Bridging Ability of Liquid-Applied Waterproofing Membrane* (new standard).
- C 1307-95, *Test Method for Plutonium Assay by Plutonium (III) Diode Array Spectrophotometry* (new standard).
- D 5671-95, *Practice for Polishing and Etching Coal Samples for Microscopical Analysis by Reflected Light* (new standard).
- D 5761-95, *Practice for the Emulsification/Suspension of Multiphase Fluid Waste Materials* (new standard).
- D 5765-95, *Practice for Solvent Extraction of Total Petroleum Hydrocarbons from Soils and Sediments Using Closed Vessel Microwave Heating* (new standard).
- D 5779-95, *Test Method for Field Determination of Apparent Specific Gravity of Rock and Manmade Materials for Erosion Control* (new standard).
- D 5791-95, *Guide for Using Probability Sampling Methods in Studies of Indoor Air Quality in Buildings* (new standard).
- E 87-95a, *Test Method for Surface Burning Characteristics of Building Materials* (revised standard).

American National Standards Projects Initiated

The following is a list of proposed new American National Standards or revisions to existing American National Standards submitted to ANSI by accredited standards developers. DOE employees or contractors interested in participating in these activities should contact the appropriate standards developing organization. DOE-TSL-4 lists the DOE representatives on NGS committees. If no DOE representative is listed, contact the TSPO for information on participating in NGS activities.

ASHRAE

Office: 1791 Tullie Circle, N.E.
Atlanta, GA 30329-5478

Contact: Jim L. Heldenbrand

- ASHRAE 162P, *Methods of Testing Dampers Used in Smoke Management Systems* (new standard).

American Welding Society

Office: 550 N.W. LeJeune Road
Miami, FL 33126

Contact: Charles R. Fassinger

- AWS B2.1-1-202, *Standard Welding Procedure Specification (WPS) for Shielded Metal Arc Welding of Carbon Steel (M-1/P-1/S-1, Group 1 or 2), 1/8 through 3/4 inch Thick, E6010 (Vertical Downhill) Followed by E7018 (Vertical Uphill), As-Welded Condition, Primarily Pipe Applications* (new standard).

Underwriters Laboratories, Inc.

Office: 333 Pfingsten Road
Northbrook, IL 60062

Contact: Len Cohen

- UL 157, *Standard for Safety for Gaskets and Seals* (new standard).

Comments or Questions

If you have any questions or comments, please contact Rick Serbu (EH-31), Manager, DOE Technical Standards Program Office (TSPO), 301-903-2856. Questions or comments may also be referred to Don Spellman, 423-574-7891, c/o Performance Assurance Project Office, Oak Ridge National Laboratory, P.O. Box 2009, Oak Ridge, Tennessee 37831-8065. The TSPO would like to be kept informed of the status of technical standards that are being prepared or coordinated for DOE. Please provide this information to the TSPO at 423-574-7886.



Standards *Actions*

United States Department of Energy

Office of Scientific and Technical Information

Post Office Box 62

Oak Ridge, TN 37831